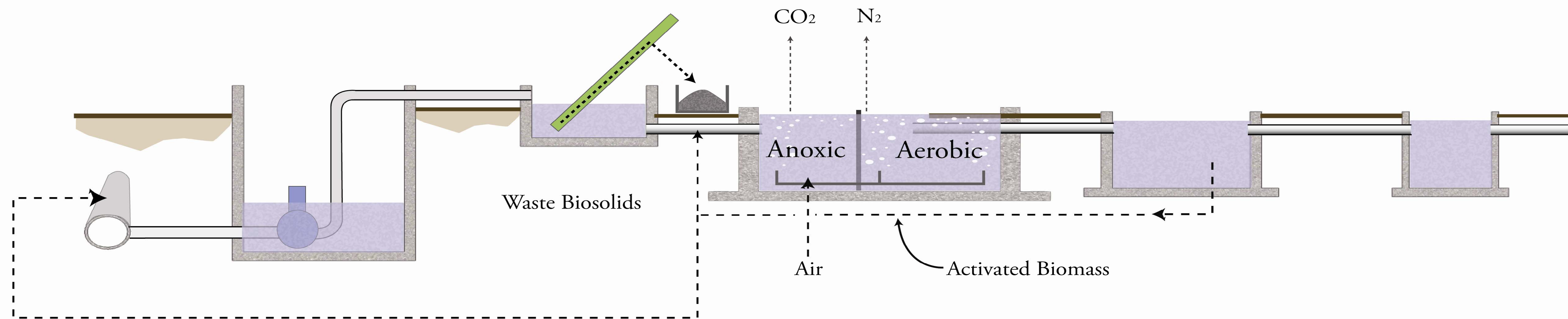


# Wastewater Treatment 101 - The Basics are really quite simple



Water + Food + Air → Grow Biomass → Separate Biomass → Sterilize Water

## **Sewer, Diversion and Pumping**

Sewage is conveyed in trunk sewers usually about 10 ft below ground and pumped up to the treatment plant

## **Screening**

Remove inorganic debris larger than 1/8" with screens and send to landfill

## **Biological Treatment**

We create an environment for natural micro organisms to feed on the sewage. A combination of mixing, controlling the air flow, and recirculation remove different pollutants

## **Biosolid Separation**

The biomass created in the biological treatment are separated from the treated water using settling tanks, filters and submerged membranes. Most of the biomass is recirculated back to the biological treatment tanks, a small amount is wasted back to the sewer.

## **Disinfection**

The treated water is sterilized with UV Light or Chlorine